NORTH DAKOTA CROP, LIVESTOCK & WEATHER REPORT



Cooperating With:
NDSU EXTENSION SERVICE,
FARM SERVICE AGENCY,
ND AG WEATHER NETWORK (NDAWN) and
UND AEROSPACE REGIONAL WEATHER
INFORMATION CENTER

Released: July 21, 2003 For Week Ending: July 20, 2003 ND-CW2903

<u>General</u>: Above normal temperatures last week pushed crop development, according to the North Dakota Agricultural Statistics Service. Hot, dry conditions in the southwest continue to stress crops and pastures. Scattered hail across the state caused some crop damage. A statewide average of 6.2 days were suitable for fieldwork.

Statewide average topsoil moisture supplies on July 20 were rated 5 percent very short, 21 short, 64 adequate and 10 surplus compared to 19 percent very short, 25 short, 53 adequate and 3 surplus last year.

<u>Crops</u>: Warm temperatures continued to advance most small grain development ahead of last year and the five-year (1998-2002) average. As of July 20, 26 percent of the hard red spring wheat was turning and beyond compared to 24 percent last year and the average of 21 percent. Durum wheat was 12 percent turning and beyond, ahead of last year and the average. Barley had 35 percent of the acreage in the turning and beyond stage compared to 21 percent last year and the average of 24 percent.

Small grain condition ratings continue to be better than last year. Hard red spring wheat condition ratings as of July 20 were 1 percent very poor, 4 poor, 19 fair, 57 good and 19 excellent compared to 10 percent very poor, 14 poor, 33 fair, 39 good and 4 excellent last year. Barley condition ratings were 83 percent good to excellent compared to 51 percent good to excellent last year. Durum wheat condition ratings were 1 percent very poor, 3 poor, 20 fair, 66 good and 10 excellent compared to 5 percent very poor, 11 poor, 38 fair, 44 good and 2 excellent last year.

Seventeen percent of the canola and 5 percent of the flaxseed were turning and beyond, both slightly ahead of the average. Twenty-eight percent of the corn crop was tasseling, down from 36 percent last year and the average of 37 percent. Soybeans were 10 percent podding and beyond compared to 21 percent last year and the average of 19 percent. Dry edible beans were 5 percent podding and beyond compared to 15 percent last year and the average of 18 percent.

Soybeans were rated 77 percent good to excellent, down from 80 percent last week, but up from 58 percent good to excellent last year. Sunflowers were rated 77 percent good to excellent, up from last week and up from 44 percent good to excellent last year. Corn was rated 79 percent good to excellent, down slightly from last week, but up from 54 percent good to excellent last year.

Livestock: Pastures in the southwest and south central remain under stress due to hot, dry conditions. Pasture conditions were rated 62 percent good to excellent, down slightly from last week, but up from 15 percent good to excellent last year. Stockwater supplies were rated 2 percent very short, 11 short, 83 adequate and 4 surplus compared to 10 percent very short, 17 short, 71 adequate and 2 surplus last year. First cutting alfalfa was 97 percent complete while harvesting of other hay was 70 percent complete. The hay crop was rated 65 percent good to excellent compared to 11 percent good to excellent last year.

Crop Development Progress ^{1/}
July 20, 2003 with Comparisons

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Crop	This Week	Last Week	Last Year	1998-02 Avg.		
	(Percent)					
BARLEY		(,			
Boot	98	94	97	95		
Headed	92	83	88	87		
Milk	69	50	65	62		
Turning	35	16	21	24		
DURUM WHEAT						
Jointing	98	90	99	97		
Boot	88	74	84	85		
Headed	69	55	69	69		
Milk .	36	23	26	29		
Turning	12	2	7	6		
HRS WHEAT						
Boot	97	91	96	94		
Headed	88	78	90	87		
Milk	58 26	43 6	61 24	58 21		
Turning OATS	20	0	24	21		
Boot	97	95	96	95		
Headed	91	80	86	86		
Milk	63	44	58	60		
Turning	27	11	19	20		
CANOLA						
Blooming	98	91	98	97		
Turning	17	6	13	16		
CORN						
Tasseling	28	4	36	37		
DRY EDIBLE BEANS						
Blooming	54	23	61	63		
Podding	5	NA	15	18		
FLAXSEED						
Blooming	86	64	84	80		
Turning	5	NA	4	4		
POTATÕES	70	- 4		00		
Blooming	73	71	70	80		
Rows Filled	51	45	66	69		
SOYBEANS	59	20	60	59		
Blooming Podding	59 10	28 3	69 21	59 19		
SUNFLOWER	10	3	۷ ا	19		
Blooming	2	1	2	3		
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 $\ensuremath{^{1/}}$ Crop development percents represent all acreage in or beyond each stage.

Crop and Pasture Condition Week Ending July 20, 2003

Crop	Very Poor	Poor	Fair	Good	Excellent	
	(Percent)					
Barley	1	3 `	13	60	23	
Durum Wheat	1	3	20	66	10	
HRS Wheat	1	4	19	57	19	
Oats	1	8	19	58	14	
Canola	1	2	17	55	25	
Corn, All	2	4	15	62	17	
Dry Edible Beans	0	4	20	63	13	
Flaxseed	1	1	19	62	17	
Potatoes	0	3	17	71	9	
Soybeans	2	4	17	59	18	
Sugarbeets	0	1	18	70	11	
Sunflowers	0	2	21	57	20	
Hay	1	5	29	51	14	
Pasture and Range	2	8	28	50	12	

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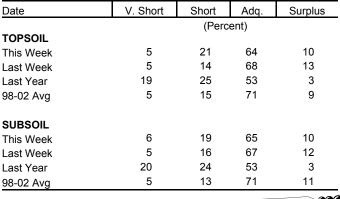
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NORTH DAKOTA CROP WEATHER REPORT, Week Ending July 20, 2003

Soil Moisture: North Dakota, July 20, 2003

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Topsoil Moisture Supplies July 20, 2003



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Weather: Last week showed a wide range of weather across the state as is typical for North Dakota. Searing hot temperatures were recorded in the southwest with Hettinger hitting a high temperature for the week of 102 degrees. There were some chilly nights eastward with Towner seeing a low of 46 degrees. While the west has been hot, the east has remained cooler, but on Saturday the east got their share of the heat. Temperatures were on average above normal for the week.

As for precipitation, there were several rounds of severe weather over the past week. Storm reports include tornadoes in Divide, Cavalier and Pembina Counties and many hail events, including a report of softball size hail near Langdon. The southeast once again received rain last week pushing their seasonal precipitation to just under 13 inches. The northwest received some much needed rain and once again the southwest remained hot and dry.

Outlook, July 21-27: The forecast for this week starts off a little cooler than the past few days, but the heat quickly returns by midweek. The west will have temperatures in the 90s and the east into the 80s. Scattered showers and thunderstorms will be seen on Monday and then dry until Thursday. A threat of thunderstorms will remain for the rest of the week.

Temperature & Precipitation: Districts and Stations North Dakota, Week ending July 20, 2003

North Dakota, Week ending July 20, 2005							
District Averages		Average Temperature		Seasonal Precipitation Beginning March 29			
		Past Week	Depart Normal 1/	Past Week	Total	Depart Normal 1/	
		(Deg	rees F)	(Inches)			
Northwest	(1)	72	3	0.46	6.33	-1.78	
N. Central	(2)	70	1	0.21	6.12	-2.78	
Northeast	(3)	70	1	0.46	8.67	0.10	
W. Central	(4)	74	3	0.17	7.79	-1.31	
Central	(5)	73	2	0.29	10.74	1.48	
E. Central	(6)	72	0	0.18	10.26	0.79	
Southwest	(7)	75	4	80.0	6.47	-2.48	
S. Central	(8)	75	3	0.26	8.33	-0.20	
Southeast	(9)	74	3	0.63	12.89	3.42	

1/ Normal is the 1961-90 average. NA = Not Available.
Weather data collected from NDAWN stations and compiled by UND
Aerospace Regional Weather Information Center.

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iperature & P h Dakota, We				Stations	
ons	Tempe Past \			nal Precip	
ict	High	Low	Past Week	Total	De Nor
	(Degre	ees F)		(Inches)	
owbells	95	52	0.40	4.69	-
Villiston	96	55	0.30	6.51	-
/lohall	90	48	0.42	6.93	-

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Stations	Temperature Past Week		Seasonal Precipitation Beginning March 29		
by District	High	Low	Past Week	Total	Depart Normal ^{1/}
	(Degr	ees F)		(Inches)	•
(1) Bowbells	95	52	0.40	4.69	-3.40
Williston	96	55	0.30	6.51	-0.59
Mohall	90	48	0.42	6.93	-1.51
Minot	89	52	0.73	7.19	-1.62
(2) Baker	88	53	0.10	6.71	-3.41
Bottineau	91	47	0.39	5.24	-3.49
Towner	93	46	0.15	6.40	-1.43
(3) Cando	90	52	0.35	8.36	0.07
Cavalier	88	54	0.61	9.04	0.05
Forest River	87	53	0.48	8.58	-0.15
Grand Forks	90	55	0.45	9.95	1.59
Langdon	85	51	0.47	7.80	-0.50
St. Thomas	87	51	0.37	8.29	-0.44
(4) Hazen	98	48	0.15	7.90	-1.67
Turtle Lake	92	53	0.12	9.59	0.27
Watford City	100	54	0.25	5.88	-2.54
(5) Carrington	89	54	0.42	10.27	1.12
Harvey	91	53	0.30	10.35	1.27
Jamestown	91	53	0.61	13.27	4.21
Robinson	93	56	0.10	9.75	0.60
Streeter	93	53	0.04	10.06	0.17
(6) Dazey	88	56	0.16	9.05	-0.68
Fargo	89	56	0.07	10.33	1.39
Hillsboro	87	54	0.32	11.39	1.65
(7) Beach	96	51	0.20	8.16	0.21
Bowman	99	49	0.06	5.80	-3.15
Dickinson	101	49	0.02	6.41	-2.86
Hettinger	102	50	0.02	5.51	-4.09
(8) Mandan	97	51	0.02	8.14	0.06
Linton	97	53	0.49	8.51	-0.46
(9) Edgeley	93	56	0.19	12.39	2.50
Oakes	94	58	1.31	13.88	4.78
Wyndmere	90	54	0.38	12.40	2.97

1/ Normal is the 1961-90 average. NA=Not Available.
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Aerospace Regional Weather Information Center.